

# Memorandum



**Date:** April 17, 2012

**To:** Honorable Chairman Joe A. Martinez  
and Members, Board of County Commissioners

Agenda Item No. 8(P)(1)

**From:** Carlos A. Gimenez  
Mayor

A handwritten signature in black ink, appearing to read "Carlos A. Gimenez", written over the printed name.

**Subject:** Resolution rejecting all bids received on January 12, 2011 by the Miami-Dade Water and Sewer Department for the 42-Inch Reclaimed Water Main Phase I, SW 127 Ave. from C-1W Canal to Zoo Miami, Contract No: S-845A (A)

## RECOMMENDATION

This request to reject all bids received for construction Contract No. S-845A (A) has been prepared by the Miami-Dade Water and Sewer Department (WASD) and is recommended for approval by the Board of County Commissioners (Board) pursuant to Miami-Dade County Code Section 2-8.2.11, Water and Sewer Department Contracting Authority. This project is one in a series of projects under the County's 20-Year Water Use Permit issued by the South Florida Water Management District (District) on November 15, 2007.

In order to avoid more than \$300 million dollars in capital costs, WASD, with the approval of the District revised its capital plan and canceled the construction of this 42-inch reclaimed water main pipeline and the associated South District Water Reclamation Plant Project. The water reclamation facility would have been the water source for the 20 million gallons per day South Miami Heights Water Treatment Plant. Instead, the 20 million gallons per day South Miami Heights Water Treatment Plant will be supplied raw water from the Floridan aquifer and Biscayne aquifer pending approval from the District.

Sixteen bids were received on January 12, 2011 for the 42-inch pipeline project which need to be rejected as the project will not be constructed.

## DELEGATION OF AUTHORITY

The authority of the County Mayor or County Mayor's designee to reject this contract is consistent with those authorities granted under the Code of Miami-Dade County.

## SCOPE

**PROJECT NAME:** 42-Inch Reclaimed Water Main Phase I, SW 127 Ave. from C-1W Canal to Zoo Miami

**PROJECT NO:** N/A

**CONTRACT NO:** S-845A (A)

**PROJECT DESCRIPTION:** As stated above, this project will not be constructed. The original project description for this project before it was canceled is noted below.

The scope of work for this project consists of furnishing and installing approximately 9,370 linear feet of 42-inch diameter ductile iron pipe for a reclaimed water main along SW 127 Avenue from the C-1W Canal to the future recharge delivery system located along the moat of Zoo Miami, in Miami-Dade County, Florida.

The work includes, but it is not limited to, furnishing and installing all ductile iron piping, valves and fittings; furnishing and installing joint material; making connections to existing mains; constructing air release valve assemblies; cleaning and testing the mains; furnishing traffic control; making temporary and permanent paving repairs; constructing sidewalk restoration, pedestrian curb ramps and curb ramp detectable warning surfaces; providing sodding; and all other appurtenant and miscellaneous items and work for a complete, functional and satisfactory installation.

It is WASD's intent to obtain a completely functional and satisfactory installation under this project, and any items of labor, equipment or materials which may be reasonably assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the plans or stated in the specifications. The contractor shall provide all sheeting, shoring, bracing and all other labor, material or equipment required to preclude damage to, or loss of functionality of, any existing facility or system.

**PROJECT LOCATION:** Along SW 127 Ave., from C-1W Canal, near SW 206 Ter., to north of SW 184 Street at Zoo Miami, South Miami Heights, Miami-Dade County, Florida. (Commission Districts 8 & 9)

<b>PROJECT SITES:</b>	<b><u>SITE #</u></b>	<b><u>LOCATION 1</u></b>	<b><u>DIST</u></b>	<b><u>ESTIMATE</u></b>	<b><u>I-S-R</u></b>
	#75310	8950 SW 232 ST, 33032	33190 8&9	\$4,902,800.00	56-21-40

**PRIMARY COMMISSION DISTRICT:** Various Districts

**APPROVAL PATH:** Special Section 2-8.2.11 of the Miami-Dade County Code

**USING DEPARTMENT:** Miami-Dade Water and Sewer Department

**MANAGING DEPARTMENT:** Miami-Dade Water and Sewer Department

#### **FISCAL IMPACT/FUNDING SOURCE**

<b>FUNDING SOURCES:</b>	<b><u>SOURCE</u></b>	<b><u>PROJECT NUM</u></b>	<b><u>SITE #</u></b>
	Future WASD Revenue Bonds	965630	#75310

**PTP FUNDING:** No

**GOB FUNDING:** No

**ARRA FUNDING:** No

**CAPITAL BUDGET  
PROJECT:**

**CAPITAL BUDGET PROJECT # - DESCRIPTION**

**RTA  
ESTIMATE**

965630- WASTEWATER TREATMENT PLANTS  
EFFLUENT REUSE

\$4,902,800.00

Book Page 123, Volume #3 Funding Year: Proposed  
FY 2011-12 Capital Budget Book, Prior Years' funds  
through FY 2016-17

**PROJECT TECHNICAL  
CERTIFICATION  
REQUIREMENTS:**

One of the following licenses is required: General Engineering, State  
Underground, Pipeline and/or any other category as applicable to Chapter  
489 of the Florida Statutes, or Chapter 10 of the Miami-Dade County Code.

**BID PACKAGES ISSUED:** 30

**BIDS RECEIVED:** 16

**CONTRACT PERIOD:** 365 Days. Excludes Warranty Administration Period

**CONTINGENCY PERIOD:** 37 Days.

**IG FEE INCLUDED IN  
BASE CONTRACT:** Yes

**ART IN PUBLIC PLACES:** No

**BASE ESTIMATE:** \$4,256,000.00

CONTINGENCY ALLOWANCE (SECTION 2-8.1 MIAMI DADE COUNTY CODE):	TYPE	PERCENT	AMOUNT	COMMENT
	Infrastructure	10%	\$425,600.00	

**PERMIT FEES :** \$127,600.00 3.00%

**OFF-DUTY POLICE  
OFFICER FOR M.O.T.:** \$93,600.00 2.20%

**TOTAL DEDICATED  
ALLOWANCE:** \$221,200.00

**COST ESTIMATE:** \$4,902,800.00

**TRACK RECORD/MONITOR**

**EXPLANATION:** WASD received sixteen sealed bids for this contract on January 12, 2011, all of which were considered "responsive" and confirmed to be in compliance by Small Business Development. The low bidder was Acosta Tractors, Inc. with a bid of \$3,345,923.48.

Since this project is being canceled, the bids received on January 12, 2011 for the 42-inch pipeline project need to be rejected as the project will not be constructed.

**REVIEW COMMITTEE:** **MEETING DATE:** 7/21/2010 **SIGNOFF DATE:** 7/21/2010

**RESPONSIBLE WAGES:** Yes

<b>REVIEW COMMITTEE ASSIGNED CONTRACT MEASURES:</b>	<b><u>TYPE</u> <u>GOAL</u></b>	<b><u>COMMENT</u></b>
	CSBE 6.00%	The estimated value is the product of the goal percentage multiplied times the sum of the Base Contract Amount plus the Contingency Allowance Amount.

CWP 0.00%	Not Applicable, project not in a Designated Target Area.
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**MANDATORY CLEARING  
HOUSE:** Yes

<b>CONTRACT MANAGER NAME / PHONE / EMAIL:</b>	Isaac Smith	786-268-5196	ISMIT01@miamidade.gov
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<b>PROJECT MANAGER NAME / PHONE / EMAIL:</b>	Julio A. Mena	786-268-5165	JMENA @miamidade.gov
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**BACKGROUND**

**BACKGROUND:** In order to avoid more than \$300 million dollars in capital costs, WASD, with the approval of the District revised its capital plan and canceled the construction of this 42-inch reclaimed water main pipeline and the associated South District Water Reclamation Plant Project. The water reclamation facility would have been the water source for the 20 million gallons per day South Miami Heights Water Treatment Plant. Instead, the 20 million gallons per day South Miami Heights Water Treatment Plant will be supplied raw water from the Floridan aquifer and Biscayne aquifer pending approval from the District.

Since this project is being canceled, the bids received on January 12, 2011 for the 42-inch pipeline project need to be rejected as the project will not be constructed.

**42-INCH RECLAIMED WATER MAIN PHASE I, SW 127 AVE.  
FROM C-1W CANAL TO METRO ZOO**

**CONTRACT NO: S-845A (A)**

**BUDGET PROJECT AND  
DESCRIPTION:**

**965630- WASTEWATER TREATMENT PLANTS EFFLUENT  
REUSE**

**FUNDING SOURCE:**


**FUTURE WASD REVENUE BONDS**

**ASSISTANT DIRECTOR,  
WASTEWATER - OPERATIONS:**

  
VICENTE E. ARREBOLA, P.E.

1/30/2012  
DATE

**ASSISTANT DIRECTOR,  
ENGINEERING AND CAPITAL  
IMPROVEMENTS:**

  
EDUARDO A. VEGA, P.E.

2/1/2012  
DATE

**WATER AND SEWER  
BUDGETARY AND FINANCIAL  
ADVISOR TO THE DIRECTOR:**

  
PEDRO L. VELAR

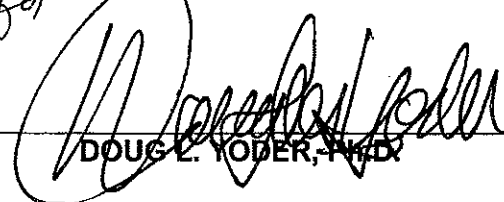
2/1/12  
DATE

**ASSISTANT DIRECTOR,  
FINANCE:**

  
for FRANCES G. MORRIS


2/1/12  
DATE

**DEPUTY DIRECTOR,  
REGULATORY COMPLIANCE  
AND CAPITAL IMPROVEMENTS:**

  
DOUG L. YODER, P.E.


2-3-12  
DATE

**DIRECTOR,  
MIAMI-DADE WATER AND  
SEWER DEPARTMENT:**

  
JOHN W. RENFROW, P.E.

2-13-12  
DATE

**BUDGET APPROVAL  
FUNDS AVAILABLE:**

  
\_\_\_\_\_  
OMB DIRECTOR  
2/16/12  
DATE

**APPROVED AS TO  
LEGAL SUFFICIENCY:**

  
\_\_\_\_\_  
COUNTY ATTORNEY  
2/15/12  
DATE

  
\_\_\_\_\_  
COUNTY  
MANAGER/DEPUTY  
MAYOR  
2/22/12  
DATE

**CLERK DATE**

\_\_\_\_\_  
DATE



# MEMORANDUM

(Revised)

**TO:** Honorable Chairman Joe A. Martinez  
and Members, Board of County Commissioners

**DATE:** April 17, 2012

**FROM:** R. A. Cuevas, Jr.  
County Attorney

**SUBJECT:** Agenda Item No. 8(P)(1)

Please note any items checked.

- ☐ "3-Day Rule" for committees applicable if raised
- ☐ 6 weeks required between first reading and public hearing
- ☐ 4 weeks notification to municipal officials required prior to public hearing
- ☐ Decreases revenues or increases expenditures without balancing budget
- ☐ Budget required
- ☐ Statement of fiscal impact required
- ☐ Ordinance creating a new board requires detailed County Manager's report for public hearing
- ☐ No committee review
- ☐ Applicable legislation requires more than a majority vote (i.e., 2/3's \_\_\_\_, 3/5's \_\_\_\_, unanimous \_\_\_\_ ) to approve
- ☐ Current information regarding funding source, index code and available balance, and available capacity (if debt is contemplated) required

Approved \_\_\_\_\_ Mayor  
Veto \_\_\_\_\_  
Override \_\_\_\_\_

Agenda Item No. 8(P)(1)

4-17-12

RESOLUTION NO. \_\_\_\_\_

RESOLUTION REJECTING ALL BIDS RECEIVED ON JANUARY 12, 2011 IN CONNECTION WITH MIAMI-DADE WATER AND SEWER DEPARTMENT'S 42-INCH RECLAIMED WATER MAIN PHASE 1, SW 127 AVENUE FROM C-1W CANAL TO ZOO MIAMI, CONTRACT NO. S-845A (A)

**WHEREAS**, this Board desires to accomplish the purposes outlined in the accompanying memorandum, a copy of which is incorporated herein by reference,

**NOW, THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF MIAMI-DADE COUNTY, FLORIDA**, that this Board finds that it is in the best interest of the County to reject all bids received for Miami-Dade Water and Sewer Department's 42-Inch Reclaimed Water Main Phase 1, SW 127 Avenue from C-1W Canal to Zoo Miami, Contract No. S-845A (A).

The foregoing resolution was offered by Commissioner \_\_\_\_\_, who moved its adoption. The motion was seconded by Commissioner \_\_\_\_\_ and upon being put to a vote, the vote was as follows:

Joe A. Martinez, Chairman	
Audrey M. Edmonson, Vice Chairwoman	
Bruno A. Barreiro	Lynda Bell
Esteban L. Bovo, Jr.	Jose "Pepe" Diaz
Sally A. Heyman	Barbara J. Jordan
Jean Monestime	Dennis C. Moss
Rebeca Sosa	Sen. Javier D. Souto
Xavier L. Suarez	



The Chairperson thereupon declared the resolution duly passed and adopted this 17<sup>th</sup> day of April, 2012. This resolution shall become effective ten (10) days after the date of its adoption unless vetoed by the Mayor, and if vetoed, shall become effective only upon an override by this Board.

MIAMI-DADE COUNTY, FLORIDA  
BY ITS BOARD OF  
COUNTY COMMISSIONERS

HARVEY RUVIN, CLERK

By: \_\_\_\_\_  
Deputy Clerk

Approved by County Attorney as  
to form and legal sufficiency.

Henry N. Gillman

A handwritten signature in dark ink, appearing to read 'H. N. Gillman', is written over a horizontal line.

VERSION 2.5

				Projections										Bond Issue
Prior														
Budget/ Estimate Cost	Prior to 2010 - 2011	FY 2010 - 2011	Total Prior	FY 2011 - 2012	FY 2012 - 2013	FY 2013 - 2014	FY 2014 - 2015	FY 2015 - 2016	FY 2016 - 2017	Future	Total			
<b>.101753 S SDWWTP - PIPELINE FROM SOUTH DISTRICT TO METROZOO</b>														
Commission District(s) 4,7,8														
Sub-Project Budget / Estimated 36,284,985														
REVENUES														
			0	0	0	0	7,915,279	757,746	5,000,000	9,658,880	11,558,080	34,889,985	Future WASD Revenue Bonds	
			1,395,000	0	1,395,000	0	0	0	0	0	0	1,395,000	Plant Expansion Fund - Wastewater	
TOTAL				1,395,000	0	1,395,000	0	7,915,279	757,746	5,000,000	9,658,880	11,558,080	36,284,985	
EXPENDITURES														
			0	0	0	0	7,915,279	757,746	5,000,000	9,658,880	11,558,080	34,889,985	Future WASD Revenue Bonds	
			1,305,420	89,580	1,395,000	0	0	0	0	0	0	1,395,000	Plant Expansion Fund - Wastewater	
TOTAL				1,305,420	89,580	1,395,000	0	7,915,279	757,746	5,000,000	9,658,880	11,558,080	36,284,985	
<b>.101764 S WDWRP - INJECTION WELL PUMP STATION</b>														
Commission District(s) COUNTYWIDE														
Sub-Project Budget / Estimated 25,650,216														
REVENUES														
			0	0	0	0	0	0	0	852	25,649,364	25,650,216	Future WASD Revenue Bonds	
TOTAL				0	0	0	0	0	0	852	25,649,364	25,650,216		
EXPENDITURES														
			0	0	0	0	0	0	0	852	25,649,364	25,650,216	Future WASD Revenue Bonds	
TOTAL				0	0	0	0	0	0	852	25,649,364	25,650,216		

Number of Addenda: 8  
 Addendum 4 & 5 changed the bid date  
 Addendum 6 - changed the proposal  
 pages 1A through 1K

Estimate: \$4,256,000

CSBE: 6%

**PROPOSED 42" RECLAIMED WATER MAIN, PHASE I,  
 S.W. 127 AVE., FROM C-1W CANAL TO ZOO MIAMI**

**BID OPENING**

JAN 14 '11 PM02:00  
 S-845A (A) JAN 14 '11 PM02:00

January 12, 2011

NAME	SUBTOTAL	TOTAL
✓ ACOSTA TRACTORS INC. ①	2,878,162.37	3,345,923.48
✓ CENTRAL FLORIDA EQUIPMENT	4,240,083.10	4,884,893.90
✓ CONALVIAS USA	3,813,410.34	4,402,753.68
DANELLA UTILITY CONST. INC.	—	—
DMSI	—	—
FLORIDA ENGINEERING & DEVELOPMENT	—	—
FOSTER MARINE CONTRACTORS	—	—
✓ GLOBETEC CONSTRUCTION	3,453,590.00	3,996,156.70
✓ GONZALEZ & SONS EQUIPMENT	3,709,983.00	4,285,880.79
✓ GPE ENGINEERING	3,504,802.77	4,054,027.13
✓ HORIZON CONTRACTORS INC.	3,978,172.00	4,588,934.36
✓ LANZO CONSTRUCTION ③	3,119,587.00	3,618,733.31
✓ MARKS BROTHERS INC.	4,264,497.91	4,912,482.63
MERRYMAN EXCAVATION	—	—
✓ METRO EQUIPMENT SERVICE INC.	3,350,404.90	3,879,557.54
✓ METRO EXPRESS INC.	6,164,779.00	7,059,800.27
MORLIC ENGINEERING	—	—
OCEAN BAY CONSTRUCTION	—	—
✓ R & G ENGINEERING INC.	3,917,453.00	4,520,321.89
RIC-MAN CONSTRUCTION	—	—
RIC-MAN INTERNATIONAL	—	—
✓ SOUTHEASTERN ENGINEERING	3,622,062.00	4,186,530.06
✓ TEAM CONTRACTING, INC.	5,067,064.00	5,819,382.32
✓ TRANS FLORIDA DEVELOPMENT ②	3,012,430.80	3,497,646.80
✓ WESTWIND CONTRACTING	3,759,952.60	4,342,346.44

# Funded Projects Detail Report (F-5)

Wastewater Renewal Fund	0	3,253	0	0	0	0	0	0	0	3,253
<b>Total Revenue:</b>	<b>2,978</b>	<b>6,588</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>2,626</b>	<b>2,450</b>	<b>2,450</b>	<b>0</b>	<b>14,114</b>
<b>Expenditure Schedule:</b>	<b>2010-11</b>	<b>PRIOR</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	581	2,134	689	0	0	1,129	1,054	1,053	0	6,069
Construction	771	2,828	927	0	0	1,497	1,396	1,397	0	8,045
<b>Total Projected Cost:</b>	<b>1,352</b>	<b>4,962</b>	<b>1,626</b>	<b>0</b>	<b>0</b>	<b>2,626</b>	<b>2,450</b>	<b>2,450</b>	<b>0</b>	<b>14,114</b>
<b>Estimated Annual Operating Costs: Less than \$10k</b>										

## WASTEWATER TREATMENT PLANT AUTOMATION ENHANCEMENTS

Project #: 9652003

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description: Construct facilities and install equipment to automate functions at wastewater treatment plants

<b>Revenue Schedule:</b>	<b>2010-11</b>	<b>PRIOR</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WAST Revenue Bonds	0	0	0	0	500	3,561	4,482	2,577	0	11,120
WAST Revenue Bonds Sold	2,598	7,846	0	0	0	0	0	0	0	7,846
Wastewater Connection Charges	167	1,127	0	0	0	0	0	0	0	1,127
<b>Total Revenue:</b>	<b>2,765</b>	<b>8,973</b>	<b>0</b>	<b>0</b>	<b>500</b>	<b>3,561</b>	<b>4,482</b>	<b>2,577</b>	<b>0</b>	<b>20,093</b>
<b>Expenditure Schedule:</b>	<b>2010-11</b>	<b>PRIOR</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	93	527	101	0	35	249	314	180	0	1,406
Construction	437	2,486	475	0	165	1,175	1,479	851	0	6,631
Equipment Acquisition	795	4,520	864	0	300	2,137	2,689	1,546	0	12,056
<b>Total Projected Cost:</b>	<b>1,325</b>	<b>7,533</b>	<b>1,440</b>	<b>0</b>	<b>500</b>	<b>3,561</b>	<b>4,482</b>	<b>2,577</b>	<b>0</b>	<b>20,093</b>
<b>Estimated Annual Operating Costs: Less than \$10k</b>										

## WASTEWATER TREATMENT PLANTS EFFLUENT REUSE

Project #: 965630

Location: Systemwide

Comm. District Physically Located: Systemwide

Comm. District(S) Served: Systemwide

Description: Plan and construct facilities for an effluent reuse system at wastewater treatment plants

<b>Revenue Schedule:</b>	<b>2010-11</b>	<b>PRIOR</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>FUTURE</b>	<b>TOTAL</b>
Future WAST Revenue Bonds	0	0	0	0	33,038	24,622	31,742	49,633	1,319,163	1,458,198
WAST Revenue Bonds Sold	871	4,527	0	0	0	0	0	0	0	4,527
Wastewater Connection Charges	2,945	23,001	1,513	0	0	0	0	0	0	24,514
<b>Total Revenue:</b>	<b>3,816</b>	<b>27,528</b>	<b>1,513</b>	<b>0</b>	<b>33,038</b>	<b>24,622</b>	<b>31,742</b>	<b>49,633</b>	<b>1,319,163</b>	<b>1,487,239</b>
<b>Expenditure Schedule:</b>	<b>2010-11</b>	<b>PRIOR</b>	<b>2011-12</b>	<b>2012-13</b>	<b>2013-14</b>	<b>2014-15</b>	<b>2015-16</b>	<b>2016-17</b>	<b>FUTURE</b>	<b>TOTAL</b>
Planning and Design	351	2,477	136	0	2,973	2,216	2,857	4,487	118,725	133,851
Construction	3,555	25,051	1,377	0	30,065	22,406	28,885	45,166	1,200,438	1,353,388

# MEMORANDUM

MIAMI-DADE  
COUNTY

Date: 9/30/2010

To: George M. Burgess  
County Manager

From: John W. Renfrow, P.E.  
Director  
Miami-Dade Water and Sewer Department

Attn: George Navarrete  
Director  
Office of Capital Improvements

Subject: Request to Advertise for 42-Inch Reclaimed Water Main Phase I, SW 127 Ave. from C-1W Canal to Zoo Miami - Project No: N/A ; Contract No: S-845A (A)

CLERK OF THE BOARD  
2010 NOV - 4 AM 11:16  
CLERK, CIRCUIT & COUNTY COURTS  
DADE COUNTY, FLA.  
#1

## Recommendation

This Request to Advertise a construction Contract No. S-845A (A) has been prepared by the Miami-Dade Water and Sewer Department (WASD) and is recommended for approval pursuant to Miami-Dade County Code Section 2-8.2.11, Water and Sewer Department Contracting Authority. This project is one in a series of projects under the County's 20-Year Water Use Permit issued by the South Florida Water Management District on November 15, 2007. This project will construct the first phase of a pipeline to transmit reclaimed water from the South District Water Reclamation Plant to the moat of Zoo Miami, for the purpose of recharging the Biscayne Aquifer.

## Scope

PROJECT NAME: 42-Inch Reclaimed Water Main Phase I, SW 127 Ave. from C-1W Canal to Zoo Miami

PROJECT NO: N/A

CONTRACT NO: S-845A (A)

## PROJECT DESCRIPTION:

This project is one in a series of projects under the County's 20-Year Water Use Permit issued by the South Florida Water Management District to Miami-Dade County. The scope of work for this project consists of furnishing and installing approximately 9,370 linear feet of 42-inch diameter ductile iron pipe for a reclaimed water main along SW 127 Avenue from the C-1W Canal to the future recharge delivery system located along the moat of Zoo Miami, in Miami-Dade County, Florida.

The work includes, but it is not limited to, furnishing and installing all ductile iron piping, valves and fittings; furnishing and installing joint material; making connections to existing mains; constructing air release valve assemblies; cleaning and testing the mains; furnishing traffic control; making temporary and permanent paving repairs; constructing sidewalk restoration, pedestrian curb ramps and curb ramp detectable warning surfaces; providing sodding; and all other appurtenant and miscellaneous items and work for a complete, functional and satisfactory installation.

RECEIVED

2010 OCT - 6 P 3:13

CAPITAL IMPROVEMENTS

It is WASD's intent to obtain a complete functional, and satisfactory installation under this project, and any items of labor, equipment or materials which may be reasonably assumed as necessary to accomplish this end shall be supplied whether or not they are specifically shown on the plans or stated in the specifications. The contractor shall provide all sheeting, shoring, bracing and all other labor, material or equipment required to preclude damage to, or loss of functionality of, any existing facility or system.

**PROJECT LOCATION:** Along SW 127 Ave., from C-1W Canal, near SW 206 Ter., to north of SW 184 Street at Zoo Miami, South Miami Heights, Miami-Dade County, Florida. (Commission Districts 8 & 9)

<b>PROJECT SITES:</b>	<b><u>SITE #</u></b>	<b><u>LOCATION 1</u></b>	<b><u>DIST</u></b>	<b><u>ESTIMATE</u></b>	<b><u>T-S-R</u></b>
	#75310	8950 SW 232ND ST, 33032	33190	8 + 4 <del>\$4,955,950.00</del>	56-21-40
				4,902,800.00	

**PRIMARY COMMISSION DISTRICT:** Various Districts

**APPROVAL PATH:** ~~Manager's Authority~~ Special Section 2-8.2.11 of the Miami-Dade County Code

**USING DEPARTMENT:** Miami-Dade Water and Sewer Department

**MANAGING DEPARTMENT:** Miami-Dade Water and Sewer Department

**Fiscal Impact / Funding Source**

<b>FUNDING SOURCES:</b>	<b><u>SOURCE</u></b>	<b><u>PROJECT NUM</u></b>	<b><u>SITE #</u></b>
	WASD Revenue Bonds Sold	<u>965630</u>	<u>#75310</u>

**PTP FUNDING:** No

**GOB FUNDING:** No

**ARRA FUNDING:** No

<b>CAPITAL BUDGET PROJECT:</b>	<b>CAPITAL BUDGET PROJECT # - DESCRIPTION</b>	<b><u>RTA ESTIMATE</u></b>
	965630- WASTEWATER TREATMENT PLANTS EFFLUENT REUSE	<del>\$4,955,950.00</del>
	Book Page 249, Volume #3 Funding Year: Proposed FY 2010-11	4,902,800.00
	Capital Budget Book, Prior Years' funds through FY 2015-16	

**PROJECT  
TECHNICAL  
CERTIFICATION  
REQUIREMENTS:**

One of the following licenses is required: General Engineering, State Underground, Pipeline and/or any other category as applicable to Chapter 489 of the Florida Statutes, or Chapter 10 of the Miami-Dade County Code.

**ESTIMATED  
CONTRACT PERIOD:**

365 Days.

Excludes Warranty Administration Period

**ESTIMATED  
CONTINGENCY  
PERIOD:**

37 Days.

**IG FEE INCLUDED IN  
BASE CONTRACT:**

Yes

**ART IN PUBLIC  
PLACES:**

No

**BASE ESTIMATE:**

\$4,256,000.00

**CONTINGENCY  
ALLOWANCE  
(SECTION 2-8.1  
MIAMI DADE  
COUNTY CODE):**

**TYPE**

**PERCENT**

**AMOUNT**

**COMMENT**

Infrastructure

10%

\$425,600.00

**PERMIT FEES :**

\$127,600.00

3.00%

**OFF-DUTY POLICE  
OFFICER FOR  
M.O.T.:**

\$93,600.00

2.20%

**TOTAL DEDICATED  
ALLOWANCE:**

\$221,200.00

**COST ESTIMATE:**

\$4,902,800.00

**Track Record / Monitor**

**EXPLANATION:**

Not Applicable - Information will be provided at time of award.

**MINIMUM  
QUALIFICATIONS  
EXCEED LEGAL  
REQUIREMENTS:**

No

**REVIEW  
COMMITTEE:**

MEETING DATE: 7/21/2010

SIGNOFF DATE: 7/21/2010

**APPLICABLE  
WAGES:  
(RESOLUTION No.  
R-54-10)**

Yes

15

<u>REVIEW COMMITTEE</u>	<u>TYPE</u>	<u>GOAL</u>	<u>COMMENT</u>
ASSIGNED CONTRACT MEASURES:	CSBE	6.00%	The estimated value is the product of the goal percentage multiplied times the sum of the Base Contract Amount plus the Contingency Allowance Amount.
	CWP	0.00%	Not Applicable, project not in a Designated Target Area.
MANDATORY CLEARING HOUSE:	Yes		
CONTRACT MANAGER NAME / PHONE / EMAIL:	Isaac Smith	786-268-5196	ISMIT01@miamidade.gov
PROJECT MANAGER NAME / PHONE / EMAIL:	Julio A. Mena	786-552-8135	JMENA@miamidade.gov

**Background**

**BACKGROUND:** This project is one in a series of projects under the County's 20-Year Water Use Permit issued by the South Florida Water Management District. It will construct the first phase of a pipeline to transmit reclaimed water from the South District Water Reclamation Plant to the moat of Zoo Miami, to recharge the Biscayne Aquifer.

DEPARTMENT  
BUDGET:

Paul Vela  
DEPT BUDGET OFFICER:

9/27/10  
DATE:

DEPARTMENT  
FINANCE:

Frances Mena  
DEPT FINANCE OFFICER:

DATE: ACTION:

INDEX CODES:

WASD Revenue Bonds Sold

BUDGET APPROVAL  
FUNDS AVAILABLE:

[Signature]  
OSBM DIRECTOR

10/5/10  
DATE

CAPITAL  
IMPROVEMENTS  
CONCURRENCE:

[Signature]  
OCI DIRECTOR

10/28/10  
DATE

[Signature]  
ASSISTANT COUNTY  
MANAGER

11/3/10  
DATE

CLERK DATE

DATE



42-INCH RECLAIMED WATER MAIN PHASE I, SW 127 AVE.  
FROM C-1W CANAL TO ZOO MIAMI

CONTRACT NO: S-845A (A)

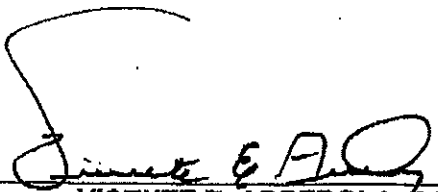
BUDGET PROJECT AND  
DESCRIPTION:

965630 - WASTEWATER TREATMENT PLANTS EFFLUENT  
REUSE

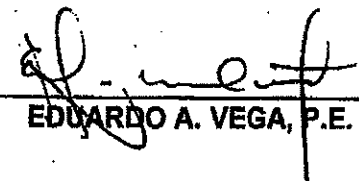
FUNDING SOURCE:

WASD REVENUE BONDS SOLD


ASSISTANT DIRECTOR,  
WASTEWATER - OPERATIONS:

  
VICENTE E. ARREBOLA, P.E. 9-24-10  
DATE

ASSISTANT DIRECTOR,  
ENGINEERING AND CAPITAL  
IMPROVEMENTS:

  
EDUARDO A. VEGA, P.E. 9/24/2010  
DATE

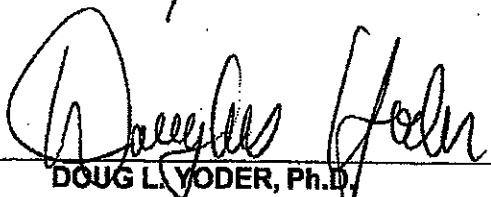
WATER AND SEWER  
BUDGETARY AND FINANCIAL  
ADVISOR TO THE DIRECTOR:

  
PEDRO L. VELAR 9/27/10  
DATE

ASSISTANT DIRECTOR,  
FINANCE:

  
FRANCES G. MORRIS 9/27/10  
DATE

DEPUTY DIRECTOR,  
REGULATORY COMPLIANCE  
AND CAPITAL IMPROVEMENTS:

  
DOUG L. YODER, Ph.D. 9/28/10  
DATE

# CONSTRUCTION COST ESTIMATE

42-inch Reclaimed Water Main  
Phase I - SW 127th Avenue  
OCI Project No. E07-WASD-08A



8/20/2010  
A&P CONSULTING TRANSPORTATION ENGINEERS  
10305 NW 41ST STREET - SUITE 115 - MIAMI, FL 33178  
(305) 592-7289 / FAX (305) 593-1694  
www.apeta.com

ITEM	DESCRIPTION	UNIT	UNIT PRICE	QUANTITY	TOTAL
<b>42" D.I. Pipe &amp; Fittings</b>					
W-1	Mobilization	AS		1	\$191,983.28
W-2	Maintenance of Traffic (MOT)	AS		1	\$191,983.28
W-3	Sell and Deliver 12" D.I. Pipe	LF	\$35.00	40	\$1,400.00
W-4	Install 12" D.I. Pipe	LF	\$25.00	40	\$1,000.00
W-5	Sell and Deliver 16" D.I. Pipe	LF	\$37.00	41	\$1,517.00
W-6	Install 16" D.I. Pipe	LF	\$27.00	41	\$1,107.00
W-7	Sell and Deliver 42" D.I. Pipe	LF	\$225.00	9,378	\$2,110,050.00
W-8	Install 42" D.I. Pipe	LF	\$75.00	9,378	\$703,350.00
W-9	Sell and Deliver 12"-22.5° Elbow	EA	\$350.00	8	\$1,750.00
W-10	Install 12"-22.5° Elbow	EA	\$150.00	5	\$750.00
W-11	Sell and Deliver 16"-45° Elbow	EA	\$425.00	4	\$1,700.00
W-12	Install 16"-45° Elbow	EA	\$225.00	4	\$900.00
W-13	Sell and Deliver 42"-45° Elbow	EA	\$5,500.00	13	\$71,500.00
W-14	Install 42"-45° Elbow	EA	\$2,500.00	13	\$32,500.00
W-15	Sell and Deliver 42" x 12" Tee	EA	\$9,000.00	5	\$45,000.00
W-16	Install 42" x 12" Tee	EA	\$4,000.00	5	\$20,000.00
W-17	Sell and Deliver 42" Cap	EA	\$1,800.00	2	\$3,600.00
W-18	Install 42" Cap	EA	\$1,200.00	2	\$2,400.00
W-19	Furnish and Install 2" Flushing Valve Outlet	EA	\$800.00	2	\$1,600.00
W-20	Making connection to existing 16" WM, including furnishing and installing 16" M.J. Solid Sleeve	EA	\$4,000.00	2	\$8,000.00
W-21	Sell and Deliver 42" Resilient Seated Gate Valves complete w/ riser pipe and valve box.	EA	\$55,000.00	5	\$275,000.00
W-22	Install 42" Resilient Seated Gate Valves complete w/ riser pipe and valve box.		\$30,000.00	5	\$150,000.00
W-23	Construct Air Release Valve assembly complete.	EA	\$1,800.00	11	\$20,900.00
W-24	Furnish and Install 8" Blowoff assembly complete.	EA	\$5,000.00	5	\$25,000.00
<b>Pavement Restoration</b>					
W-25	Limerock Base (Type I)	SY	\$9.80	7,335	\$72,616.50
W-26	Asphaltic Concrete Surface Course (Type I) (Contingent Item)	SY	\$13.05	7,386	\$96,504.75
W-27	Limerock Base (Type II)	SY	\$13.05	135	\$1,761.75
W-28	Asphaltic Concrete Surface Course (Type II) (Contingent Item)	SY	\$17.10	151	\$2,582.10
W-29	Asphaltic Concrete Surface Course (Type V) (Contingent Item)	TN	\$85.45	909	\$89,498.18
W-30	Milling (1" nominal) (Contingent Item)	SY	\$2.25	16,528	\$37,188.00
W-31	Pavement Markings Restoration (Contingent Item)	AS	\$5,000.00	1	\$5,000.00
W-32	Sodding Removal & Restoration (Contingent Item)	SY	\$2.00	676	\$1,356.00
W-33	Concrete Sidewalk & Driveways Restoration (Contingent Item)	SF	\$4.50	172	\$774.00
W-34	Inductive Loop Detectors (Contingent Item)	EA	\$1,000.00	7	\$7,000.00
W-35	Polyethylene Encasement (Contingent Item)	LF	\$1.50	200	\$300.00
W-36	Trench Overcut (Contingent Item)	LF	\$5.00	200	\$1,000.00
W-37	Sheeting and Shoring (Contingent Item)	SF	\$15.00	509	\$7,500.00
W-38	Flowable Fill (Contingent Item)	CY	\$100.00	50	\$5,000.00
W-39	Pedestrian Curb Ramp Restoration (Contingent Item)	EA	\$1,200.00	35	\$42,000.00
W-40	Curb Ramp Detectable Warning Surface (Contingent Item)	SF	\$70.00	288	\$20,160.00
W-41	Protective Barrier (Type K Barrier Wall)	LF	\$12.29	1,769	\$21,974.52
W-42	Protective Barrier (Type I Barricade)	LF	\$5.40	1,760	\$9,504.00
W-43	Sub Total Estimated Construction Cost				\$4,295,814.33
W-44	Dedicated Allowance (Include Permits)(3%)		\$127,674.43	1	\$127,674.43
W-45	Off Duty Police (\$45/h * 52 * 40)		\$93,600.00	1	\$93,600.00
W-46	Contingency Allowance (10%)		\$425,581.43	1	\$425,581.43
W-47	Time Allowance Account				30 Calendar Days
<b>GRAND TOTAL</b>					<b>\$4,902,670.19</b>



Dept. of Small Business Development  
Project Worksheet

Project/Contract Title: 42" RECLAIMED WATER MAIN PHASE I: SW 127TH AVE. FROM C-1W TO METRO ZOO (SIC 16) RC Date: 07/21/2010  
Project/Contract No: S-845 (A) Funding Source: Item No: 3-01  
Department: WATER & SEWER DEPARTMENT VARIOUS  
Estimated Cost of Project/Bid: \$4,954,950.00 Resubmittal Date(s):  
Description of Project/Bid: To establish a contract to furnish and install approximately 9,370 linear feet of 42-inch diameter ductile iron pipe reclaimed water main along SW 127th Avenue from the C-1W Canal to the future recharge delivery system located in the vicinity of the Miami Metro Zoo.

Contract Measures Recommendation

Measure	Program	Goal Percent
Goal	CSBE	6.00%

Reasons for Recommendation

An analysis of the factors contained in Section VI A of Administrative Order 3-22 indicate that a goal is appropriate in the trades of Highway, Street, and Bridge Construction (timberock base, asphaltic concrete surface, pavement marking, pedestrian curb ramp restoration, constructing curb ramp detectable warning surface).

Funding Sources: Future WASD Revenue Bonds and Plant Expansion Fund - Wastewater.

CWP Not Applicable: Not in DTA

Analysis for Recommendation of a Goal

Subtrade	Cat.	Estimated Value	% of Items to Base Bid	Availability
Highway, Street, and Bridge Construction	CSBE	\$297,297.00	6.00%	59
Total		\$297,297.00	6.00%	

Living Wages: YES ☐ NO ☒ Highway: YES ☐ NO ☒ Heavy Construction: YES ☒ NO ☐  
Responsible Wages: YES ☒ NO ☐ Building: YES ☐ NO ☒

Responsible Wages and Benefits applies to all construction projects over \$100,000 that do not utilize federal fund. For federally funded projects, unless prohibited by federal or state law or disallowed by a governmental funding source, the HIGHER wage between Davis Bacon and Responsible Wages and Benefits shall apply.

REVIEW COMMITTEE RECOMMENDATION

Tier 1 Set Aside \_\_\_\_\_

Set Aside \_\_\_\_\_ Level 1 \_\_\_\_\_ Level 2 \_\_\_\_\_ Level 3 \_\_\_\_\_

Trade Set Aside (MCC) \_\_\_\_\_ Goal 6% CSBE Bld Preference \_\_\_\_\_

No Measure \_\_\_\_\_ Deferred \_\_\_\_\_ Selection Factor \_\_\_\_\_

Chairperson, Review Committee

Date

County Manager / Designee

Date

Miami-Dade Water and Sewer Department  
2009 - 2015 CAPITAL BUDGET / MULTI - YEAR PLAN

WASTEWATER PROJECTS

1036. WASTEWATER TREATMENT PLANTS EFFLUENT REUSE

Commission District(s) COUNTYWIDE

OSBM No. 965630

Budget/ Estimate Cost	Prior to 2008 - 2009	FY 2009	Total Prior	Projections							Future	Total	Bond Issue
				FY 2009 - 2010	FY 2010 - 2011	FY 2011 - 2012	FY 2012 - 2013	FY 2013 - 2014	FY 2014 - 2015				

.101753 S SDWWTP - PIPELINE FROM SOUTH DISTRICT TO METROZOO

Commission District(s) 4,7,8

Sub-Project Budget / Estimated 29,238,166

REVENUES

0	0	0	0	0	13,246,583	13,246,583	0	0	0	0	0	26,493,166	Future WAST Revenue Bonds
0	1,395,000	1,395,000	1,395,000	0	0	0	0	0	0	0	0	1,395,000	Plant Expansion Fund - Wastewater
0	0	0	0	1,350,000	0	0	0	0	0	0	0	1,350,000	WAST Wastewater Commercial Paper
0	1,395,000	1,395,000	1,395,000	1,350,000	13,246,583	13,246,583	0	0	0	0	0	29,238,166	

TOTAL

EXPENDITURES

0	0	0	0	0	13,246,583	13,246,583	0	0	0	0	0	26,493,166	Future WAST Revenue Bonds
0	395,000	395,000	395,000	0	1,000,000	0	0	0	0	0	0	1,395,000	Plant Expansion Fund - Wastewater
0	0	0	0	1,350,000	0	0	0	0	0	0	0	1,350,000	WAST Wastewater Commercial Paper
0	395,000	395,000	395,000	1,350,000	14,246,583	13,246,583	0	0	0	0	0	29,238,166	

TOTAL

*Approved*

Proposed FY10-11

STRATEGIC AREA: Neighborhood and Unincorporated Area Municipal Services  
DEPARTMENT: Water and Sewer

\*\*\*\*\* FUNDED PROJECTS \*\*\*\*\*  
(dollars in thousands)

**WASTEWATER TREATMENT PLANT AUTOMATION ENHANCEMENTS**

**PROJECT # 9652003**

DESCRIPTION: Construct facilities and install equipment to automate functions at wastewater treatment plants

LOCATION: Systemwide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

DISTRICT LOCATED: Systemwide  
DISTRICT(s) SERVED: Systemwide

REVENUE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Wastewater Connection Charges	1,128	0	0	0	0	0	0	0	1,128
Wastewater Construction -2011 Bonds	0	1,638	0	0	0	0	0	0	1,638
Wastewater Construction -2009 Bonds	1,028	0	0	0	0	0	0	0	1,028
WASD Revenue Bonds Sold	5,081	0	0	0	0	0	0	0	5,081
Future WASD Revenue Bonds	0	0	3,123	4,581	1,827	0	0	0	9,531

<b>TOTAL REVENUE:</b>	<b>7,237</b>	<b>1,638</b>	<b>3,123</b>	<b>4,581</b>	<b>1,827</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,406</b>
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EXPENDITURE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Planning and Design	507	115	219	321	128	0	0	0	1,290
Construction	2,388	541	1,031	1,512	603	0	0	0	6,075
Equipment Acquisition	4,342	982	1,873	2,748	1,096	0	0	0	11,041

<b>TOTAL EXPENDITURES:</b>	<b>7,237</b>	<b>1,638</b>	<b>3,123</b>	<b>4,581</b>	<b>1,827</b>	<b>0</b>	<b>0</b>	<b>0</b>	<b>18,406</b>
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**WASTEWATER TREATMENT PLANTS EFFLUENT REUSE**

**PROJECT # 965630**

DESCRIPTION: Plan and construct facilities for an effluent reuse system at wastewater treatment plants

LOCATION: Systemwide

ESTIMATED ANNUAL OPERATING IMPACT: Minimal

DISTRICT LOCATED: Systemwide  
DISTRICT(s) SERVED: Systemwide

REVENUE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Wastewater Connection Charges	24,513	0	0	0	0	0	0	0	24,513
Wastewater - Reuse Construction Fund	724	0	0	0	0	0	0	0	724
Wastewater Construction -2011 Bonds	0	32,372	0	0	0	0	0	0	32,372
Wastewater Construction -2009 Bonds	13,416	0	0	0	0	0	0	0	13,416
WASD Revenue Bonds Sold	2,040	0	0	0	0	0	0	0	2,040
Future WASD Revenue Bonds	0	0	108,034	179,997	149,749	27,070	12,198	928,551	1,405,599

<b>TOTAL REVENUE:</b>	<b>40,693</b>	<b>32,372</b>	<b>108,034</b>	<b>179,997</b>	<b>149,749</b>	<b>27,070</b>	<b>12,198</b>	<b>928,551</b>	<b>1,478,664</b>
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EXPENDITURE SCHEDULE:	PRIOR	2010-11	2011-12	2012-13	2013-14	2014-15	2015-16	FUTURE	TOTAL
Planning and Design	3,662	2,913	9,723	16,200	13,477	2,436	1,098	83,569	133,078
Construction	37,031	29,459	98,311	163,797	136,272	24,634	11,100	844,982	1,345,586

<b>TOTAL EXPENDITURES:</b>	<b>40,693</b>	<b>32,372</b>	<b>108,034</b>	<b>179,997</b>	<b>149,749</b>	<b>27,070</b>	<b>12,198</b>	<b>928,551</b>	<b>1,478,664</b>
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